

Juan R Calvo

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

105
papers

6,202
citations

41
h-index

78
g-index

106
ext. papers

6,504
ext. citations

4.9
avg, IF

5.19
L-index

| # | Paper | IF | Citations |
|-----|--|------|-----------|
| 105 | The role of melatonin in autoimmune and atopic diseases. <i>AIMS Molecular Science</i> , 2016 , 3, 158-186 | 0.9 | 4 |
| 104 | Possible Involvement of the Inhibition of NF- κ B Factor in Anti-Inflammatory Actions That Melatonin Exerts on Mast Cells. <i>Journal of Cellular Biochemistry</i> , 2016 , 117, 1926-33 | 4.7 | 21 |
| 103 | The role of melatonin in the cells of the innate immunity: a review. <i>Journal of Pineal Research</i> , 2013 , 55, 103-20 | 10.4 | 285 |
| 102 | Melatonin protects mast cells against cytotoxicity mediated by chemical stimuli PMACI: possible clinical use. <i>Journal of Neuroimmunology</i> , 2013 , 262, 62-5 | 3.5 | 5 |
| 101 | High levels of melatonin generated during the brewing process. <i>Journal of Pineal Research</i> , 2013 , 55, 26-30 | 10.4 | 41 |
| 100 | Melatonin administrated immediately before an intense exercise reverses oxidative stress, improves immunological defenses and lipid metabolism in football players. <i>Physiology and Behavior</i> , 2012 , 105, 1099-103 | 3.5 | 39 |
| 99 | Evidence of melatonin synthesis and release by mast cells. Possible modulatory role on inflammation. <i>Pharmacological Research</i> , 2010 , 62, 282-7 | 10.2 | 64 |
| 98 | The perception that beer improves sleep onset might be a motivation for some to drink heavily. Is it only melatonin that matters? Reply to Dr. Molfino. <i>Clinical Nutrition</i> , 2010 , 29, 273-274 | 5.9 | 3 |
| 97 | Melatonin present in beer contributes to increase the levels of melatonin and antioxidant capacity of the human serum. <i>Clinical Nutrition</i> , 2009 , 28, 188-91 | 5.9 | 114 |
| 96 | Acute and chronic responses associated with adrenomedullin administration in experimental colitis. <i>Peptides</i> , 2008 , 29, 2001-12 | 3.8 | 67 |
| 95 | Intestinal immunomodulation. Role of regulative peptides and promising pharmacological activities. <i>Current Pharmaceutical Design</i> , 2008 , 14, 71-95 | 3.3 | 16 |
| 94 | Melatonin usage in ulcerative colitis: a case report. <i>Journal of Pineal Research</i> , 2008 , 45, 339-40 | 10.4 | 12 |
| 93 | Melatonin as pharmacologic support in burn patients: a proposed solution to thermal injury-related lymphocytopenia and oxidative damage. <i>Critical Care Medicine</i> , 2007 , 35, 1177-85 | 1.4 | 41 |
| 92 | Chronic administration of galanin attenuates the TNBS-induced colitis in rats. <i>Regulatory Peptides</i> , 2007 , 141, 96-104 | | 30 |
| 91 | Galanin in the trinitrobenzene sulfonic acid rat model of experimental colitis. <i>International Immunopharmacology</i> , 2006 , 6, 1404-12 | 5.8 | 35 |
| 90 | Acutely administered melatonin is beneficial while chronic melatonin treatment aggravates the evolution of TNBS-induced colitis. <i>Journal of Pineal Research</i> , 2006 , 40, 48-55 | 10.4 | 36 |
| 89 | Beneficial pleiotropic actions of melatonin in an experimental model of septic shock in mice: regulation of pro-/anti-inflammatory cytokine network, protection against oxidative damage and anti-apoptotic effects. <i>Journal of Pineal Research</i> , 2005 , 39, 400-8 | 10.4 | 682 |

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|----|--|------|-----|
| 88 | Human lymphocyte-synthesized melatonin is involved in the regulation of the interleukin-2/interleukin-2 receptor system. <i>Journal of Clinical Endocrinology and Metabolism</i> , 2005 , 90, 992-1000 | 5.6 | 120 |
| 87 | Evidence of melatonin synthesis by human lymphocytes and its physiological significance: possible role as intracrine, autocrine, and/or paracrine substance. <i>FASEB Journal</i> , 2004 , 18, 537-9 | 0.9 | 330 |
| 86 | mRNA expression of nuclear receptor RZR/RORalpha, melatonin membrane receptor MT, and hydroxindole-O-methyltransferase in different populations of human immune cells. <i>Journal of Pineal Research</i> , 2004 , 37, 48-54 | 10.4 | 94 |
| 85 | Expression of membrane and nuclear melatonin receptors in mouse peripheral organs. <i>Life Sciences</i> , 2004 , 74, 2227-36 | 6.8 | 77 |
| 84 | Melatonin counteracts the inhibitory effect of PGE2 on IL-2 production in human lymphocytes via its mt1 membrane receptor. <i>FASEB Journal</i> , 2003 , 17, 755-7 | 0.9 | 98 |
| 83 | Expression of membrane and nuclear melatonin receptor mRNA and protein in the mouse immune system. <i>Cellular and Molecular Life Sciences</i> , 2003 , 60, 2272-8 | 10.3 | 103 |
| 82 | Melatonin inhibits telomerase activity in the MCF-7 tumor cell line both in vivo and in vitro. <i>Journal of Pineal Research</i> , 2003 , 35, 204-11 | 10.4 | 99 |
| 81 | In vitro inhibitory effect of EGTA on macrophage adhesion: endodontic implications. <i>Journal of Endodontics</i> , 2003 , 29, 211-3 | 4.7 | 13 |
| 80 | Inhibitory effect of melatonin on homocysteine-induced lipid peroxidation in rat brain homogenates. <i>Basic and Clinical Pharmacology and Toxicology</i> , 2002 , 90, 32-7 | | 23 |
| 79 | Melatonin triggers Crohn's disease symptoms. <i>Journal of Pineal Research</i> , 2002 , 32, 277-8 | 10.4 | 31 |
| 78 | Vasoactive intestinal peptide and pituitary adenylate cyclase-activating polypeptide inhibit LPS-stimulated MIP-1alpha production and mRNA expression. <i>Cytokine</i> , 2002 , 18, 35-42 | 4 | 18 |
| 77 | Characterization of the protective effects of melatonin and related indoles against alpha-naphthylisothiocyanate-induced liver injury in rats. <i>Journal of Cellular Biochemistry</i> , 2001 , 80, 461-70 | 4.7 | 64 |
| 76 | Melatonin prevents delta-aminolevulinic acid-induced oxidative DNA damage in the presence of Fe2+. <i>Molecular and Cellular Biochemistry</i> , 2001 , 218, 87-92 | 4.2 | 19 |
| 75 | N-acetylserotonin suppresses hepatic microsomal membrane rigidity associated with lipid peroxidation. <i>European Journal of Pharmacology</i> , 2001 , 428, 169-75 | 5.3 | 36 |
| 74 | Mechanisms Involved in the Immunomodulatory Effects of Melatonin on the Human Immune System 2001 , 408-416 | | 2 |
| 73 | Melatonin and its relation to the immune system and inflammation. <i>Annals of the New York Academy of Sciences</i> , 2000 , 917, 376-86 | 6.5 | 286 |
| 72 | Involvement of nuclear receptors in the enhanced IL-2 production by melatonin in Jurkat cells. <i>Annals of the New York Academy of Sciences</i> , 2000 , 917, 397-403 | 6.5 | 28 |
| 71 | Postnatal development of vasoactive intestinal peptide receptor-effector system in rat immunocompetent cells. <i>Annals of the New York Academy of Sciences</i> , 2000 , 921, 357-61 | 6.5 | |

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|----|---|------|-----|
| 70 | Pharmacology and physiology of melatonin in the reduction of oxidative stress in vivo. <i>NeuroSignals</i> , 2000 , 9, 160-71 | 1.9 | 182 |
| 69 | Correlation between nuclear melatonin receptor expression and enhanced cytokine production in human lymphocytic and monocytic cell lines. <i>Journal of Pineal Research</i> , 2000 , 29, 129-37 | 10.4 | 106 |
| 68 | Immunobiology of vasoactive intestinal peptide (VIP). <i>Trends in Immunology</i> , 2000 , 21, 7-11 | | 97 |
| 67 | Functional and molecular characterization of VIP receptor--effector system in rat developing immunocompetent cells: G protein involvement. <i>Journal of Neuroimmunology</i> , 2000 , 103, 41-50 | 3.5 | 3 |
| 66 | Identification of G-protein coupled receptor subunits in normal human dental pulp. <i>Journal of Endodontics</i> , 2000 , 26, 16-9 | 4.7 | 5 |
| 65 | Significance of melatonin in antioxidative defense system: reactions and products. <i>NeuroSignals</i> , 2000 , 9, 137-59 | 1.9 | 384 |
| 64 | Nuclear receptors are involved in the enhanced IL-6 production by melatonin in U937 cells. <i>NeuroSignals</i> , 2000 , 9, 197-202 | 1.9 | 24 |
| 63 | Characterization of membrane melatonin receptor in mouse peritoneal macrophages: inhibition of adenylyl cyclase by a pertussis toxin-sensitive G protein. <i>Journal of Neuroimmunology</i> , 1999 , 95, 85-94 | 3.5 | 46 |
| 62 | Melatonin activates Th1 lymphocytes by increasing IL-12 production. <i>Life Sciences</i> , 1999 , 65, 2143-50 | 6.8 | 108 |
| 61 | In vitro effect of the resin component bisphenol A on substrate adherence capacity of macrophages. <i>Journal of Endodontics</i> , 1999 , 25, 341-4 | 4.7 | 52 |
| 60 | Comparative effects of two endodontic irrigants, chlorhexidine digluconate and sodium hypochlorite, on macrophage adhesion to plastic surfaces. <i>Journal of Endodontics</i> , 1999 , 25, 243-6 | 4.7 | 16 |
| 59 | Involvement of nuclear binding sites for melatonin in the regulation of IL-2 and IL-6 production by human blood mononuclear cells. <i>Journal of Neuroimmunology</i> , 1998 , 92, 76-84 | 3.5 | 91 |
| 58 | VIP and PACAP enhance IL-6 release and mRNA levels in resting peritoneal macrophages: in vitro and in vivo studies. <i>Journal of Neuroimmunology</i> , 1998 , 85, 155-67 | 3.5 | 68 |
| 57 | Specific binding of melatonin by purified cell nuclei from spleen and thymus of the rat. <i>Journal of Neuroimmunology</i> , 1998 , 86, 190-7 | 3.5 | 61 |
| 56 | Vasoactive intestinal peptide and pituitary adenylate cyclase-activating polypeptide modulate endotoxin-induced IL-6 production by murine peritoneal macrophages. <i>Journal of Leukocyte Biology</i> , 1998 , 63, 591-601 | 6.5 | 114 |
| 55 | Expression of Membrane Melatonin Receptor mRNA in Rat Thymus and Spleen 1997 , 23, 36-42 | | 1 |
| 54 | Mechanisms of Action of Melatonin on the Human Immune System. Membrane versus Nuclear Receptors 1997 , 23, 43-51 | | 1 |
| 53 | Characterization of VIP receptor-effector system antagonists in rat and mouse peritoneal macrophages. <i>European Journal of Pharmacology</i> , 1997 , 321, 379-86 | 5.3 | 5 |

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|----|---|------|-----|
| 52 | EDTA inhibits in vitro substrate adherence capacity of macrophages: endodontic implications. <i>Journal of Endodontics</i> , 1997 , 23, 205-8 | 4.7 | 33 |
| 51 | Functional characterization and mRNA expression of pituitary adenylate cyclase activating polypeptide (PACAP) type I receptors in rat peritoneal macrophages. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1997 , 1359, 250-62 | 4.9 | 48 |
| 50 | Expression of the Mel1a-melatonin receptor mRNA in T and B subsets of lymphocytes from rat thymus and spleen. <i>FASEB Journal</i> , 1997 , 11, 466-73 | 0.9 | 126 |
| 49 | Inhibition of cerebellar nitric oxide synthase and cyclic GMP production by melatonin via complex formation with calmodulin. <i>Journal of Cellular Biochemistry</i> , 1997 , 65, 430-42 | 4.7 | 236 |
| 48 | Differential adrenergic regulation of rat pineal cyclic AMP production and N-acetyltransferase activity during postnatal development: involvement of G alpha s and G alpha i1-2 proteins. <i>Journal of Endocrinology</i> , 1997 , 155, 305-12 | 4.7 | |
| 47 | Expression of vasoactive intestinal peptide binding sites in rat peritoneal macrophages is stimulated by inflammatory stimulus. <i>Journal of Neuroimmunology</i> , 1996 , 64, 1-7 | 3.5 | 15 |
| 46 | Characterization of gene expression of VIP and VIP1-receptor in rat peritoneal lymphocytes and macrophages. <i>Regulatory Peptides</i> , 1996 , 62, 161-6 | | 46 |
| 45 | Characterization of adenylyl cyclase stimulated by VIP in rat and mouse peritoneal macrophage membranes. <i>Biochimica Et Biophysica Acta - Molecular Cell Research</i> , 1996 , 1312, 249-54 | 4.9 | 10 |
| 44 | The disodium salt of EDTA inhibits the binding of vasoactive intestinal peptide to macrophage membranes: endodontic implications. <i>Journal of Endodontics</i> , 1996 , 22, 337-40 | 4.7 | 40 |
| 43 | Functional and molecular characterization of VIP receptors and signal transduction in human and rodent immune systems. <i>Advances in Neuroimmunology</i> , 1996 , 6, 39-47 | | 39 |
| 42 | Binding of [125I]iodocyanopindolol by rat harderian gland crude membranes: kinetic characteristics and day-night variations. <i>Bioscience Reports</i> , 1996 , 16, 369-77 | 4.1 | |
| 41 | Characterization of binding sites for beta-adrenergic agonists and vasoactive intestinal peptide in the rat harderian gland. <i>Microscopy Research and Technique</i> , 1996 , 34, 139-43 | 2.8 | 2 |
| 40 | Thymosin alpha 1 interacts with the VIP receptor-effector system in rat and mouse immunocompetent cells. <i>Immunopharmacology</i> , 1996 , 34, 113-23 | | 1 |
| 39 | Specific binding of 2-[125I]iodomelatonin by rat spleen crude membranes: day-night variations and effect of pinealectomy and continuous light exposure. <i>Journal of Pineal Research</i> , 1996 , 20, 33-8 | 10.4 | 25 |
| 38 | Immunomodulatory role of melatonin: specific binding sites in human and rodent lymphoid cells. <i>Journal of Pineal Research</i> , 1995 , 18, 119-26 | 10.4 | 128 |
| 37 | High-affinity binding of melatonin by human circulating T lymphocytes (CD4+). <i>FASEB Journal</i> , 1995 , 9, 1331-5 | 0.9 | 88 |
| 36 | Diurnal Variations in [125I]Melatonin Binding by Rat Thymus Membranes: Effects of Continuous Light Exposure and Pinealectomy. <i>Chronobiology International</i> , 1995 , 12, 382-388 | 3.6 | 6 |
| 35 | Homologous regulation of vasoactive intestinal peptide (VIP) receptors on rat peritoneal macrophages. <i>Peptides</i> , 1995 , 16, 313-8 | 3.8 | 14 |

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|----|--|------|-----|
| 34 | VIP receptor-effector system in rat harderian gland and its coupling to activation of type II thyroxine 5Tdeiodinase. <i>Peptides</i> , 1995 , 16, 551-7 | 3.8 | 3 |
| 33 | Specific binding of 2-[125I]iodomelatonin by rat splenocytes: characterization and its role on regulation of cyclic AMP production. <i>Journal of Neuroimmunology</i> , 1995 , 57, 171-8 | 3.5 | 75 |
| 32 | Melatonin binding sites in the harderian gland of the rat and Syrian hamster. <i>NeuroSignals</i> , 1994 , 3, 99-106 | | 11 |
| 31 | Peptide T from human immunodeficiency virus does not interact with VIP receptor-effector system in immunocompetent cells of rat and mouse. <i>Bioscience Reports</i> , 1994 , 14, 251-7 | 4.1 | |
| 30 | Expression of VIP receptors in mouse peritoneal macrophages: functional and molecular characterization. <i>Journal of Neuroimmunology</i> , 1994 , 50, 85-93 | 3.5 | 36 |
| 29 | Characteristics of receptors for VIP in rat peritoneal macrophage membranes. <i>Peptides</i> , 1994 , 15, 309-15 | 3.8 | 25 |
| 28 | Specific binding of melatonin by immunocompetent cells in humans and rodents. Modifications during postnatal development. <i>Annals of the New York Academy of Sciences</i> , 1994 , 719, 369-77 | 6.5 | 10 |
| 27 | Physiological concentrations of melatonin inhibit nitric oxide synthase in rat cerebellum. <i>Life Sciences</i> , 1994 , 55, PL455-60 | 6.8 | 190 |
| 26 | Specific binding of 2-[125I]melatonin by partially purified membranes of rat thymus. <i>Journal of Neuroimmunology</i> , 1993 , 45, 121-6 | 3.5 | 43 |
| 25 | Vasoactive intestinal peptide (VIP) inhibits substrate adherence capacity of rat peritoneal macrophages by a mechanism that involves cAMP. <i>Cell Adhesion and Communication</i> , 1993 , 1, 213-21 | | 17 |
| 24 | Binding of 2-[125I]melatonin by rat thymus membranes during postnatal development. <i>Immunology Letters</i> , 1993 , 36, 59-63 | 4.1 | 45 |
| 23 | Stimulatory effect of vasoactive intestinal peptide (VIP) on cyclic AMP production in rat peritoneal macrophages. <i>Regulatory Peptides</i> , 1992 , 37, 195-203 | | 27 |
| 22 | Melatonin potentiates cyclic AMP production stimulated by vasoactive intestinal peptide in human lymphocytes. <i>Neuroscience Letters</i> , 1992 , 136, 150-2 | 3.3 | 23 |
| 21 | Guanine nucleotide regulation of VIP binding to rat peritoneal macrophage membranes. <i>Peptides</i> , 1992 , 13, 953-5 | 3.8 | 14 |
| 20 | Chronic ethanol intake inhibits both the vasoactive intestinal peptide binding and the associated cyclic AMP production in rat enterocytes. <i>General Pharmacology</i> , 1992 , 23, 607-11 | | 7 |
| 19 | Pancreastatin and its 33-49 C-terminal fragment inhibit glucagon-stimulated insulin in vivo. <i>General Pharmacology</i> , 1992 , 23, 637-8 | | 19 |
| 18 | Interaction of melatonin with human lymphocytes: evidence for binding sites coupled to potentiation of cyclic AMP stimulated by vasoactive intestinal peptide and activation of cyclic GMP. <i>Journal of Pineal Research</i> , 1992 , 12, 97-104 | 10.4 | 109 |
| 17 | Synergistic action of melatonin and vasoactive intestinal peptide in stimulating cyclic AMP production in human lymphocytes. <i>Journal of Pineal Research</i> , 1992 , 12, 174-80 | 10.4 | 36 |

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|----|--|-----|----|
| 16 | Somatostatin inhibition of VIP- and isoproterenol-stimulated cyclic AMP production in rat peritoneal macrophages. <i>Neuropeptides</i> , 1992 , 23, 39-43 | 3.3 | 11 |
| 15 | Characterization of functional receptors for vasoactive intestinal peptide (VIP) in rat peritoneal macrophages. <i>Regulatory Peptides</i> , 1991 , 33, 133-43 | | 58 |
| 14 | Characterization of melatonin binding sites in the harderian gland and median eminence of the rat. <i>Life Sciences</i> , 1991 , 48, 1165-71 | 6.8 | 47 |
| 13 | Nucleotide regulation of vasoactive intestinal peptide binding to bovine thyroid plasma membranes. <i>Bioscience Reports</i> , 1990 , 10, 519-25 | 4.1 | 6 |
| 12 | Glycogenolytic effect of pancreastatin in the rat. <i>Bioscience Reports</i> , 1990 , 10, 87-91 | 4.1 | 43 |
| 11 | Interaction of thymic peptide thymosin alpha 1 with VIP receptors in rat intestinal epithelial cells: comparison with PHI and secretin. <i>General Pharmacology</i> , 1989 , 20, 503-5 | | 8 |
| 10 | Effect of chronic intake of ethanol on the binding of vasoactive intestinal peptide to rat spleen lymphoid cells. <i>General Pharmacology</i> , 1989 , 20, 659-62 | | 4 |
| 9 | Decreased binding of vasoactive intestinal peptide to intestinal epithelial cells from hypothyroid rats. <i>Biochemical and Biophysical Research Communications</i> , 1989 , 162, 701-7 | 3.4 | 2 |
| 8 | Solubilization of active and stable receptors for vasoactive intestinal peptide from rat liver. <i>Regulatory Peptides</i> , 1989 , 25, 37-50 | | 13 |
| 7 | Effects of fasting and refeeding on vasoactive intestinal peptide binding to rat blood mononuclear cells. <i>Comparative Biochemistry and Physiology Part C: Comparative Pharmacology</i> , 1987 , 87, 95-8 | | |
| 6 | Interaction of a bovine thymic peptide extract with vasoactive intestinal peptide (VIP) receptors. <i>Bioscience Reports</i> , 1986 , 6, 579-84 | 4.1 | 1 |
| 5 | Vasoactive intestinal peptide (VIP) binding to solubilized material from rat liver plasma membranes. <i>Bioscience Reports</i> , 1986 , 6, 39-44 | 4.1 | 2 |
| 4 | Interaction of vasoactive intestinal peptide (VIP) with rat lymphoid cells. <i>Peptides</i> , 1986 , 7, 177-81 | 3.8 | 60 |
| 3 | Interaction of vasoactive intestinal peptide (VIP) with human peripheral blood lymphocytes: specific binding and cyclic AMP production. <i>General Pharmacology</i> , 1986 , 17, 185-9 | | 58 |
| 2 | The interaction of vasoactive intestinal peptide (VIP) with isolated bovine thyroid plasma membranes. <i>Biochemical and Biophysical Research Communications</i> , 1985 , 128, 1336-41 | 3.4 | 12 |
| 1 | Activation of cyclic AMP-dependent protein kinase by VIP in blood mononuclear cells. <i>Peptides</i> , 1984 , 5, 371-3 | 3.8 | 30 |